

## FACT SHEET

### Methods for Measurement of Filterable PM<sub>10</sub> and PM<sub>2.5</sub> and Measurement of Condensable Particulate Matter Emissions from Stationary Sources

#### ACTION

- On March 16, 2009, EPA proposed to revise two test methods for measuring particulate matter (PM) emissions from stationary sources.
- One of the revised methods, called method 201A, will give stationary sources a way to measure the mass of filterable fine particle (PM<sub>2.5</sub>) emissions. Filterable PM<sub>2.5</sub> includes material that is solid or liquid in form at emission stack temperatures.
- The second revised method, called Method 202, will make it possible to measure condensable particulate matter more accurately. Condensable particulate matter, a common component of both inhalable coarse particles (PM<sub>10</sub>) and PM<sub>2.5</sub>, includes solid or liquid particles that form from gases at atmospheric temperature and pressure.
- The combination of Methods 201A and 202 will allow EPA and states to:
  - Develop more accurate primary PM emissions inventories,
  - Determine whether stationary sources are major sources of PM<sub>10</sub> or PM<sub>2.5</sub> emissions for the New Source Review/Prevention of Significant Deterioration program or the Title V Permit programs,
  - Determine more accurately the effectiveness of control devices for PM<sub>10</sub> or PM<sub>2.5</sub>,
  - Develop regulatory limits with more appropriate test methods, and
  - Determine compliance with regulatory limits with greater accuracy.
- In this notice we are also soliciting comments on whether to end the transition period for condensable particulate matter in the New Source Review (NSR) program on a date earlier than the current end date of January 1, 2011.
- EPA will take public comment on the proposed rule for 60 days following publication in the *Federal Register*.

#### BACKGROUND

- The existing Method 201A was developed prior to 1990 using one part of a five component measurement device which separated particles into six size classes. The component used by the existing Method 201A provides for two size classes, those larger than 10 micrometers in diameter and those equal to or smaller than 10 micrometers in diameter.

- The proposed Method 201A adds a second component of the five-component device which provides for an additional size class. The three size classes provided by the proposed method include PM larger than 10 micrometers in diameter, PM equal to or smaller than 10 micrometers in diameter but larger than 2.5 micrometers in diameter and PM equal to or smaller than 2.5 micrometers in diameter.
- The proposed Method 202 makes minor modifications to the hardware required to perform the testing, eliminates alternative procedures currently allowed, and makes minor modifications to the procedures employed during testing and analysis. The revisions in the method will provide more accurate and consistent measurements of the condensable fraction of PM than is possible with the existing test method.

### **HOW TO COMMENT**

- EPA will accept comment on the proposal for 60 days after publication in the Federal Register. Comments, identified by Docket ID No. EPA-HQ-OAR-2008-0348, may be submitted by one of the following methods:
  - [www.regulations.gov](http://www.regulations.gov): follow the on-line instructions for submitting comments.
  - E-mail: Comments may be sent by electronic mail (e-mail) to [a-and-r-Docket@epa.gov](mailto:a-and-r-Docket@epa.gov).
  - Fax: Fax your comments to: 202-566-1741
  - Mail: Send your comments to: Air and Radiation Docket and Information Center, Environmental Protection Agency, Mail Code: 6102T, 1200 Pennsylvania Ave., NW, Washington, DC, 20460.
  - Hand Delivery or Courier: Deliver your comments to: EPA Docket Center, 1301, Constitution Ave., NW, Room 3334, Washington, D.C. Such deliveries are only accepted during the Docket's normal hours of operation, and special arrangements should be made for deliveries of boxed information.

### **FOR MORE INFORMATION**

- To download a copy the proposed rule, go to:  
<http://www.epa.gov/ttn/oarpg/t3pfpr.html>.
- For more information about today's rulemaking, contact Ron Myers at EPA's Office of Air Quality Planning and Standards at (919) 541-5407 or [myers.ron@epa.gov](mailto:myers.ron@epa.gov).